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C L A I M S

- 10 1. A device for transmitting video data, comprising
- a host device (10),
 - a remote device (12), and
 - a data link (14) between the host device (10)
- 15 and the remote device (12), wherein
- said host device (10) comprises adjusting means
- (18) which are provided to reduce the data rate
- of video data transmitted from a video data source
- (16) to the host device (10) by reducing the
- 20 frame rate of the video data, which enables the
- host device (10) to transmit the video data at
- the reduced data rate to the remote device (12)
- via the data link (14).
2. Device as claimed in claim 1, **characterized in**
- 25 **that** the adjusting means (18) comprise a first
- frame buffer and buffer control means which are
- provided such that every n^{th} frame to be trans-
- mitted via the data link (14) is grabbed from the
- video data and stored in said first frame buffer.
- 30 3. Device as claimed in claim 1, **characterized in**
- that** the adjusting means (18) comprise an infor-
- mation storage device in which information for

the video data source (16) to adjust the frame rate of the video data supplied by the video data source (16) is stored.

- 5 4. Device as claimed in any one of claims 2 to 3,
 characterized in that the video data source is
 preferably a computer comprising a graphics unit
 (16) capable of generating a video data stream
10 which is transmitted to the host device (10) and
 comprising a DVI, a DFP interface and/or a P&D
 interface by means of which the adjusting means
 (18) are connected to the graphics unit (16).
- 15 5. Device as claimed in any one of claims 1 to 4,
 characterized in that the data link (14) com-
 prises an electrical and/or optical connection.
- 20 6. Device as claimed in claim 5, **characterized in**
 that the data link (14) is a serial data link.
- 25 7. Device as claimed in any one of the preceding
 claims, **characterized in that** the remote device
 (12) comprises a second frame buffer (20) in
 which frames of the video data received via the
 data link (14) are stored.
- 30 8. Device as claimed in claim 7, **characterized in**
 that the second frame buffer (20) is a double
 buffer memory.
9. Device as claimed in claim 7 or 8, **characterized**
 in that the remote device (12) comprises a frame
 rate conversion unit (54), which reads frames

from the second frame buffer (20) according to a predetermined frame rate.

10. Device as claimed in any one of the preceding
5 claims, **characterized in that** the dehostized device (12) comprises a picture generator (24) which can generate a test picture.
11. Device as claimed in any one of the preceding
10 claims, **characterized in that** the host device (10) and the remote device (12) are provided such that, in addition to the video data, control data may be transmitted via the data link (14).
12. A method of transmitting video data via a data
15 link (14) between a host device (10) and a remote device (12), said host device (10) reducing the data rate of the video data by reducing the frame rate of said video data, so as to enable transmission of the video data via said data link (14)
20 to the remote device (12) at the reduced data rate.
13. Method as claimed in claim 12, **characterized in**
25 **that** the host device (10) grabs every n^{th} frame to be transmitted via the data link (14) from the video data and stores it.
14. Method as claimed in claim 12, **characterized in**
30 **that** information for adjusting the frame rate of the video data supplied by a video data source (16) is transmitted from the host device (10) to the video data source (16).

15. Method as claimed in any one of claims 12 to 14,
characterized in that the video data are trans-
mitted by electrical and/or optical means via the
5 data link (14).
16. Method as claimed in claim 15, **characterized in
that** the video data are transmitted as a serial
video data stream via the data link (14).
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17. Method as claimed in any one of claims 12 to 16,
characterized in that the remote device (12)
stores frames of the video data received via the
data link (14), said stored frames being read out
15 according to a predetermined frame rate and dis-
played on a screen.
18. Method as claimed in any one of claims 12 to 17,
characterized in that, in addition to the video
20 data, the host device (10) and the remote device
(12) transmit control data via the data link
(14).